

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075763 A3

(51) International Patent Classification⁷: **E04H 12/08**,
F03D 11/04

(74) Agent: **KRUIT, Jan**; Corus Technology BV, P.O. Box
10000, NL-1970 CA IJmuiden (NL).

(21) International Application Number:
PCT/EP2005/000550

(22) International Filing Date: 14 January 2005 (14.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04075337.8 4 February 2004 (04.02.2004) EP

(71) Applicant (for all designated States except US): **CORUS
STAAL BV** [NL/NL]; P.O. Box 10000, NL-1970 CA Ij-
muiden (NL).

(72) Inventor; and

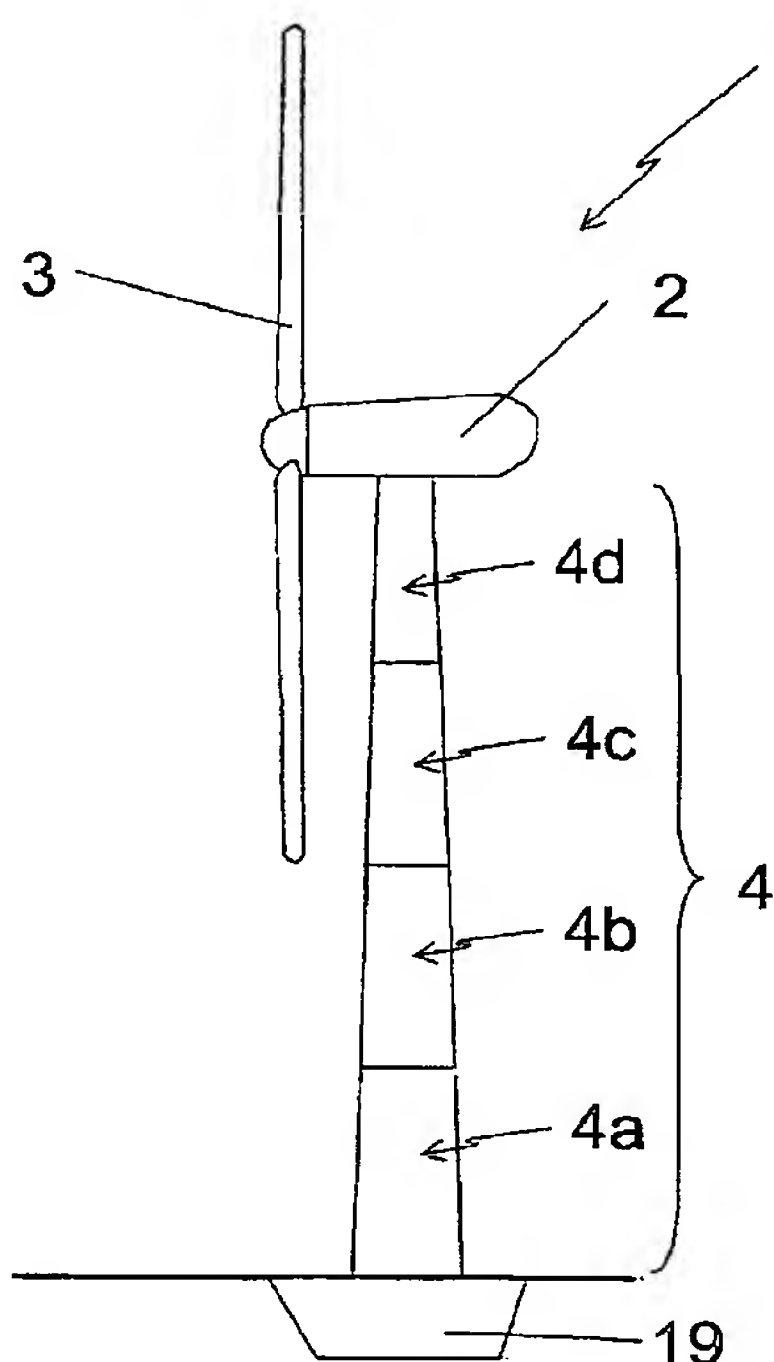
(75) Inventor/Applicant (for US only): **SPORTEL, Heiko**
[NL/NL]; Het Mollenveld 5, NL-1911 CE Uitgeest (NL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: TOWER FOR A WIND TURBINE, PREFABRICATED METAL WALL PART FOR USE IN A TOWER FOR A WIND
TURBINE AND METHOD FOR CONSTRUCTING A TOWER FOR A WIND TURBINE



(57) Abstract: The invention relates to a tower for a wind turbine wherein the tower has an exterior side and an interior side and wherein the tower is at least partly composed of prefabricated metal wall parts characterised in that each wall part comprises an essentially quadrangular portion having an outwardly facing surface in the direction of the exterior of the tower and an inwardly facing surface in the direction of the interior of the tower, said portion having a top edge, a bottom edge, a first side edge and a second side edge, wherein the first side edge is provided with a first flange along at least part of the length of the first side edge and wherein the second side edge is provided with a second flange along at least part of the length of the second side edge.

WO 2005/075763 A3



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

1 December 2005